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Hazard assessment of modified and parental under simulated environmental conditions

Introduction
In order to compare the environmental fate of the modified strain relative to the
parent strain in a simulated environmental condition, a survival test was
conducted. A description of the experiment is provided below.
Experimental Setup
Results
In all cases, the fate of M2519 was very similar to the parent strain M2390:
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In all cases, the fate of M2519 was very similar to the parent strain M2390; leading to the conclusion that does not lend any particular survival benefit to the yeast strain. In both soil and water, all yeast are very stable with no particular growth or death occurring, In Figure 2, the yeast are also quite stable in the sterile substrates. The water sample quickly

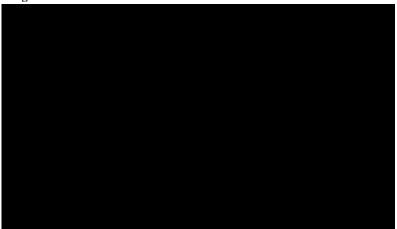
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became overgrown with native organisms. The native soil sample had a significant decrease in yeast population over In Figure 3, at in all substrates except soil the samples quickly became overgrown with native organisms. In the sterile soil sample, a significant inactivation occurred over

Figure 1



Figure 2





## Conclusions

Generally, the yeast population was stable or declined in all measurable conditions. The rate of decline of yeast when measurable showed no significant difference between the parent and the modified . Therefore based on a review of the public literature and the generated data, we believe that the hazard assessment for the genetically modified strain is no different than the unmodified parental strain.